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10/532,733	04/26/2005	Marcus Burgel	2002P16722WOUS	6283

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Siemens Corporation  
Intellectual Property Department  
170 Wood Avenue South  
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EXAMINER
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BLACK, LINH

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.



## DETAILED ACTION

This communication is responsive to the Applicant's response dated 12/14/08. Claims 7-10 and 15-20 are pending in the application. Claim 7 is an independent claim.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 7-10 and 15-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Kadel, JR. et al. (US 10/532,733).

As per claim 7, Kadel teaches

providing a source file described in an extensible markup language – paragraphs 63 (XML source file), 73, 83, fig. 30.

structuring the extensible markup language data in the source file in the form of objects, wherein components of the objects are stored in first files (object-specific generic container), wherein the components each represent a logical unit of an object – pars. 69 (the concept of a framework is an important part of OO programming technique. A

Art Unit: 2169

framework is a specification of the classes and the relationships between classes such that the framework defines a class hierarchy that can be used over and over again...); 85 (a built-in data type hierarchy for XML schemas is used to provide types to attributes...to determine relationships between information elements...", 226, 301-305 (hierarchically structured tags and XML schema).

providing a second file having a first mechanism for referencing the components as a higher-order, object-based logical level for storing; and selectively directly accessing the objects – pars. 85 (structural hierarchy in XML schemas is used to determine relationships between information elements. All documents and schema references to other documents are followed up to their sources in order to specify further attribute or relationship information), 99 (obtains a reference to a data source), 184, 332.

providing hierarchical structuring of object complexes and distribution of data of objects among a plurality of files, the hierarchical structuring of object complexes enabling a reading-in tool to pass over or avoid having to read or process portions of the source file data organized as distinct object when seeking other portions of the source file data for use in the application - pars. 142, 176 (a data item is defined as any unit of information... each information element is defined in terms of entities (data source or data consumer component), ...attributes (name/value)...), 273, 301-302 (XML formatted data...hierarchically structured tags...parses the XML schema appropriate for it and constructs metadata specifications appropriate for the contents of each tag...they refer directly to already precompiled procedures...and exposes the content in the

Art Unit: 2169

standardized information representation using this metadata), 318 (attribute category), 334.

providing the reading-in tool, wherein the reading-in tool passes over or avoids reading, or processing portions of the source file data identifiable as distinct objects when seeking other portions of the source file data for use in the application – pars. 80 (framework of object oriented software components...These applications are structured in a way so that there are distinct data source components and data consumer components...the ability to store a reference without direct access to the related item itself), 203-204 (unique id data item), 310 (XML data parsing), 327(embedded in the XML are custom information enabling determination of data location in files or databases...based on unique Ids or names...)

As per claim 8, Kadel teaches

wherein the components are themselves objects – pars. 14, 94.

As per claim 9, Kadel teaches

wherein the components are stored in object-specific generic containers, and wherein the containers are provided for referencing the respective object – pars. 97, 109, 208, 129.

Art Unit: 2169

As per claim 10, Kadel teaches

wherein the extensible markup language is XML – pars. 63, 301.

As per claims 15-17, Kadel teaches

wherein the reading-in tool is a parser; wherein the parser is a XML-parser; wherein the reading-in tool passes over data beginning from a certain start tag up to the associated end tag – pars. 301-310, 334.

As per claim 18, Kadel teaches

wherein parts of objects are distributed among a plurality of files, wherein a core information necessary for identifying the object and its type is present in a source file and wherein the object's actual useful information is relocated to a relocation file – pars. 71, 78, 114, 232.

As per claim 19, Kadel teaches

wherein references to relocated objects contain an object identification data, data regarding a target file in which the object is located and object identification data in the target file – pars. 172, 339.

As per claim 20, Kadel teaches

Art Unit: 2169

wherein the object identification data in the target file is an object ID and an object name – par. 327.

### ***Response to Arguments***

Applicant's arguments with respect to claims 7-10 and 15-20 have been considered but are not persuasive. Regarding the Applicant's argument on page 4 that the applied prior art does not reference data of an extensible markup language file...of Kadel is not in the context of XML data. Examiner disagrees.

Kadel discloses in par. 83 the importing structured data sources such as an XML document into a system as described herein in which any application written using the disclosed system and/or framework can utilize these data sources through a standard interface; 138 (a data consumer may access a data source via a data source interface object ...communication between the DSI objects and data consumers in the framework is mediated through a set of application programming interfaces...);

Regarding the Applicant's argument on page 5 that "nothing in Kadel disclosure comports with "hierarchical structuring of object complexes enabling a reading in tool to pass over or avoid having to read or process portions of the source file data organized as distinct objects when seeking other portions of the source file data for use in the application..." Examiner disagrees. Kadel discloses in pars. 69 that the concept of a framework is an important part of OO programming technique. A framework is a specification of the classes and the relationships between classes such that the framework defines a class hierarchy that can be used over and over again...; par. 85: a

Art Unit: 2169

built-in data type hierarchy for XML schemas is used to provide types to attributes...to determine relationships between information elements..."; par. 273 (if the field is a complex object, it is exposed as a linked element via a reference unless a special class has registered to handle the complex object type within the XIS framework or the application context); pars. 301-302 (XML formatted data...hierarchically structured tags...parses the XML schema appropriate for it and constructs metadata specifications appropriate for the contents of each tag...they refer directly to already precompiled procedures...and exposes the content in the standardized information representation using this metadata). Thus, Kadel does disclose a hierarchical structuring of objects/components in which objects can be of the complex type.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of



Art Unit: 2169

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LINH BLACK whose telephone number is 571-272-4106. The examiner can normally be reached on Mon.-Thurs..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trujillo can be reached on 571-272-3677. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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